

What is claimed is:

1. An information processing apparatus connected to an image input apparatus which is capable of
5 executing predetermined image processing on input image data and outputting the processed image data, the information processing apparatus comprising:

first storage means for storing image data output from the image input apparatus;

10 instruction input means for inputting setting information for image processing according to an instruction from an operator; and

image processing means for executing image processing that can be executed by the image input
15 apparatus, on the image data stored in said first storage means based on the setting information input by said instruction input means.

2. An information processing apparatus according to claim 1, wherein the image input apparatus is a
20 scanner apparatus having an image processing section that executes predetermined image processing on image data input by reading an image, and

wherein said first storage means stores image data transmitted from said scanner apparatus.

25 3. An information processing apparatus according to claim 2, wherein said image processing section of said scanner apparatus executes image processing

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4. An information processing apparatus according
5 to claim 3, wherein the image correction includes
processes related to contrast adjustment, brightness
adjustment, and binarization of an image.

6. An information processing apparatus according to claim 1, further comprising display means for displaying the image data processed by said image processing means.

8. An information processing apparatus according to claim 1, further comprising second storage means for storing the processed image data after said image processing means has executed image processing based on the setting information.

to claim 12, wherein said transmitting means transmits the setting information to the image input apparatus after first image data stored in said first storage means has been processed by said image processing means.

5 14. An information processing apparatus according to claim 13, further comprising display means for displaying the image data processed by said image processing means.

10 15. An information processing apparatus according to claim 14, wherein the image input apparatus is a scanner apparatus having an image processing section that executes predetermined image processing on image data input by reading an image, and

15 wherein said first storage means stores image data transmitted from said scanner apparatus.

20 16. An information processing apparatus according to claim 15, wherein said image processing section of said scanner apparatus executes image processing related to image correction based on the setting information transmitted from said transmitting means, and said image processing means executes image correction that can be executed by said image processing section of said scanner apparatus.

25 17. An information processing apparatus connected via a communication cable to a scanner apparatus, said scanner apparatus comprising an image input section that feeds an original and inputs image data by reading

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an image from the fed original, and an image correcting section that executes predetermined image correction on the image data input by said image input section, said scanner apparatus being capable of transmitting the
5 image data corrected by said image correcting section, the information processing apparatus comprising:

first storage means for storing image data transmitted from the scanner apparatus;

first image correcting means for executing image
10 correction that can be executed by the scanner apparatus, on the image data stored in said first storage means;

display means for displaying the corrected image data;

15 instruction input means for inputting setting information for image correction according to an instruction from an operator;

second image correcting means for executing image correction that can be executed by the scanner
20 apparatus, on the image data stored in said first storage means based on the setting information input by said instruction input means; and

second storage means for storing the image data corrected by said second image correcting means.

25 18. An information processing apparatus connected via a communication cable to a scanner apparatus, said scanner apparatus comprising an image input section

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that feeds an original and inputs image data by reading an image from the fed original, and an image correcting section that executes predetermined image processing on the image data input by said image input section, the
5 scanner apparatus being capable of transmitting the image data corrected by said image correcting section, the information processing apparatus comprising:

first storage means for storing image data on a first original sheet transmitted from the scanner
10 apparatus;

first image correcting means for executing image correction that can be executed by the scanner apparatus, on the image data stored in said first storage means;

15 display means for displaying the corrected image data;

instruction input means for inputting setting information for image correction according to an instruction from an operator;

20 second image correcting means for executing image correction that can be executed by the scanner apparatus, on the image data stored in said first storage means based on the setting information input by said instruction input means;

25 second storage means for storing the image data corrected by said second image correcting means;

third storage means for storing the setting

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information input by said instruction input means;

fourth storage means for storing image data on
second and subsequent original sheets transmitted from
the scanner apparatus, in response to storing of the
5 image data on the first original sheet in said second
storage means;

third image correcting means for executing image
correction that can be executed by the scanner
apparatus, on the image data stored in said fourth
10 storage means based on the setting information stored
in said third storage means; and

fifth storage means for storing the image data
corrected by said third image correcting means.

19. An information processing apparatus connected
15 via a communication cable to a scanner apparatus, said
scanner apparatus comprising an image input section
that feeds an original and inputs image data by reading
an image from the fed original, and an image correcting
section that executes predetermined image processing on
20 the image data input by said image input section, the
scanner apparatus being capable of transmitting the
image data corrected by said image correcting section,
the information processing apparatus comprising:

first storage means for storing image data on a
25 first original sheet transmitted from the scanner
apparatus;

first image correcting means for executing image

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correction that can be executed by the scanner apparatus, on the image data stored in said first storage means;

display means for displaying the corrected image data;

instruction input means for inputting setting information for image correction according to an instruction from an operator;

second image correcting means for executing image correction that can be executed by the scanner apparatus, on the image data stored in said first storage means based on the setting information input by said instruction input means;

second storage means for storing the image data corrected by said second image correcting means;

transmitting means for transmitting the setting information input by said instruction input means, to the scanner apparatus; and

third storage means for storing image data on second and subsequent original sheets which have been transmitted from the scanner apparatus after being corrected based on the setting information by the image correcting section of the scanner apparatus.

20. An information processing apparatus connected to an image input apparatus which is capable of executing predetermined image processing on input image data and outputting the processed image data, the

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information processing apparatus comprising:

selecting means for selecting either a first mode in which the image input apparatus executes image processing or a second mode in which the image

5 processing apparatus executes image processing, according to an instruction input by an operator;

storage means for storing image data output from the image input apparatus;

instruction input means for inputting setting
10 information for image processing according to an instruction from an operator; and

image processing means for executing image processing on the image data stored in said storage means based on the setting information input by said

15 instruction input means, if said selecting means selects the second mode.

21. An information processing apparatus connected to an image input apparatus which is capable of executing predetermined image processing on input image
20 data and outputting the processed image data, the information processing apparatus comprising:

storage means for storing image data output from the image input apparatus;

instruction input means for inputting setting
25 information for image processing according to an instruction from an operator;

image processing means for executing image

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processing on the image data stored in said storage means based on the setting information input by said instruction input means; and

transmitting means for transmitting the setting
5 information used for the image processing by said image processing means, to the image input apparatus.

22. An image input apparatus connected to an information processing apparatus which is capable of executing predetermined image processing on input image
10 data and storing the processed image data, the image input apparatus comprising:

input means for inputting image data; and

image processing means for executing image processing that can be executed by the image processing
15 apparatus, on the image data input by said input means, and

wherein said image processing means executes image processing on the image data input by said input means, depending on contents of image processing executed by
20 the image processing apparatus.

23. An image input apparatus according to claim 22, wherein the information processing apparatus executes image processing on the image data based on setting information input by an operator, and

25 wherein said image processing means executes image processing on the image data input by said input means, based on the setting information transmitted from the

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image processing apparatus.

24. An image input apparatus according to claim
23, further comprising determining means for
determining whether the image data input by said input
5 means is from a first original sheet, and

wherein if the determining means determines that
the image data is from the first original sheet, said
image processing means does not execute image
processing on the image data input by said input means,
10 and

if said determining means determines that the
image data is not from the first original sheet, said
image processing means executes image processing on the
image data input by said input means.

15 25. An image input apparatus according to claim
24, wherein the image input apparatus is a scanner
apparatus, and

wherein said input means inputs image data by
reading an image.

20 26. An image input apparatus according to claim
25, wherein said image processing means executes image
processing related to image correction, and the image
processing apparatus executes image correction that can
be executed by said image processing means.

25 27. An image input apparatus according to claim
26, wherein the image correction includes processing
related to contrast adjustment, brightness adjustment,

and binarization of an image.

28. An image input apparatus according to claim 25, wherein said input means inputs image data by reading an image,

5 wherein if said determining means determines that the image data is not from the first original sheet, said input means inputs image data by continuously reading second and subsequent original sheets, and

 wherein said image processing means executes image
10 processing on the image data input by said input means.

29. An image input apparatus according to claim 22, wherein the image input apparatus is a scanner apparatus, and

 wherein the image processing apparatus is a
15 personal computer connected to the scanner apparatus via a communication cable.

30. A scanner apparatus connected to an image processing apparatus which is capable of executing predetermined image correction on input image data
20 based on setting information input by an operator and storing the corrected image data, the scanner apparatus comprising:

 input means for feeding an original and inputting image data by reading an image from the fed original;

25 image processing means for executing image correction that can be executed by the image processing apparatus, on the image data input by said input means;

and

determining means for determining whether the image data input by said input means is from a first original sheet, and

5 wherein if said determining means determines that the image data is not from the first original sheet, said image processing means executes image processing on the image data input by said input means, based on the setting information transmitted from the image
10 processing apparatus.

31. An image input apparatus connected to an information processing apparatus which is capable of executing predetermined image processing on input image data and storing the processed image data, the image
15 input apparatus comprising:

input means for inputting image data;

image processing means for executing image processing on the image data input by said input means, and

20 wherein if the image processing apparatus is to execute image processing on the image data input by said input means, said image processing means does not execute image processing on the image data input by said input means.

25 32. A method of controlling an information processing apparatus connected to an image input apparatus which is capable of executing predetermined

image processing on input image data and outputting the processed image data, the method comprising:

a first storing step of storing image data output from the image input apparatus, in a storage section;

5 an instruction input step of inputting setting information for image processing according to an instruction from an operator; and

an image processing step of executing image processing that can be executed by the image input
10 apparatus, on the image data stored in the storage section based on the setting information input in said instruction input step.

33. A method of controlling an information processing apparatus connected via a communication
15 cable to a scanner apparatus, said scanner apparatus comprising an image input section that feeds an original and inputs image data by reading an image from the fed original, and an image correcting section that executes predetermined image correction on the image
20 data input by said image input section, said scanner apparatus being capable of transmitting the image data corrected by said image correcting section, the method comprising:

a first storing step of storing image data
25 transmitted from the scanner apparatus, in a storage section;

a first image correcting step of executing image

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correction that can be executed by the scanner apparatus, on the image data stored in said first storing step;

5 a display step of displaying the corrected image data;

an instruction input step of inputting setting information for image correction according to an instruction from an operator;

10 a second image correcting step of executing image correction that can be executed by the scanner apparatus, on the image data stored in said first storing step based on the setting information input in said instruction input step; and

15 a second storing step of storing the image data corrected in said second image correcting step, in a storage section.

34. A method of controlling an information processing apparatus connected via a communication cable to a scanner apparatus said scanner apparatus comprising an image input section that feeds an original and inputs image data by reading an image from the fed original, and an image correcting section that executes predetermined image processing on the image data input by said image input section, the scanner apparatus being capable of transmitting the image data corrected by said image correcting section, the method comprising:

20
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a first image correcting step of executing image
5 correction that can be executed by the scanner
apparatus, on the image data stored in said first
storing step;

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10      an instruction input step of inputting setting
      information for image correction according to an
      instruction from an operator;

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20 a second storing step of storing the image data
corrected in said second image correcting step, in a
storage section;

a fourth storing step of storing image data on
25 second and subsequent original sheets transmitted from
the scanner apparatus in a storage section, in response
to storing of the image data on the first original

sheet in said second storing step;

a third image correcting step of executing image correction that can be executed by the scanner apparatus, on the image data stored in said fourth
5 storing step based on the setting information stored in said third storing step; and

a fifth storing step of storing the image data corrected in said third image correcting step, in a storage section.

10 35. A method of controlling an information processing apparatus connected via a communication cable to a scanner apparatus, said scanner apparatus comprising an image input section that feeds an original and inputs image data by reading an image from
15 the fed original, and an image correcting section that executes predetermined image processing on the image data input by said image input section, the scanner apparatus being capable of transmitting the image data corrected by said image correcting section, the method
20 comprising:

a first storing step of storing image data on a first original sheet transmitted from the scanner apparatus, in a storage section;

a first image correcting step of executing image
25 correction that can be executed by the scanner apparatus, on the image data stored in said first storing step;

a selecting step of selecting either a first mode in which the image input apparatus executes image processing or a second mode in which the image processing apparatus executes image processing,

5 according to an instruction input by an operator;

a storing step of storing image data output from the image input apparatus, in a storage section;

an instruction input step of inputting setting information for image processing according to an instruction from an operator; and

10 an image processing step of executing image processing on the image data stored in said storing step based on the setting information input in said instruction input step, if the second mode is selected in said selecting step.

37. A method of controlling an information processing apparatus connected to an image input apparatus which is capable of executing predetermined image processing on input image data and outputting the processed image data, the method comprising:

a storing step of storing image data output from the image input apparatus, in a storage section;

an instruction input step of inputting setting information for image processing according to an instruction from an operator;

25 an image processing step of executing image processing on the image data stored in said storing

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step based on the setting information input in said instruction input step; and

a transmitting step of transmitting the setting information used for the image processing in said image processing step, to the image input apparatus.

38. A method of controlling an image input apparatus connected to an information processing apparatus which is capable of executing predetermined image processing on input image data and storing the processed image data, the method comprising:

an input step of inputting image data;

an image processing step of executing image processing that can be executed by the image processing apparatus, on the image data input in said input step, and

wherein said image processing step comprises executing image processing on the image data input in said input step, depending on contents of image processing executed by the image processing apparatus.

39. A method of controlling a scanner apparatus connected to an image processing apparatus which is capable of executing predetermined image correction on input image data based on setting information input by an operator and storing the corrected image data, the method comprising:

an input step of feeding an original and inputting image data by reading an image from the fed original;

an image processing step of applying image correction that can be executed by the image processing apparatus, on the image data input in said input step; and

- 5 a determining step of determining whether the image data input in said input step is from a first original sheet, and

 wherein if it is determined in said determining step that the image data is not from the first original
10 sheet, said image processing step executes image processing on the image data input in said input step, based on the setting information transmitted from the image processing apparatus.

40. A method of controlling an image input
15 apparatus connected to an information processing apparatus which is capable of executing predetermined image processing on input image data and storing the processed image data, the method comprising:

 an input step of inputting image data;
20 an image processing step of executing image processing on the image data input in said input step, and

 wherein if the image processing apparatus is to execute image processing on the image data input in
25 said input step, image processing on the image data input in said input step is not executed in said image processing step.

apparatus comprising an image input section that feeds
an original and inputs image data by reading an image
from the fed original, and an image correcting section
that executes predetermined image processing on the
5 image data input by said image input section, the
scanner apparatus being capable of transmitting the
image data corrected by said image correcting section,
to an external apparatus, and an image processing
apparatus connected to the scanner apparatus via a
10 communication cable,

wherein the scanner apparatus comprises:

input means for feeding an original and inputting
image data by reading an image from the fed original;

first image correcting means for executing image
15 correction on the image data input by said input means;
and

determining means for determining whether the
image data input by said input means is from a first
original sheet,

20 wherein said information processing apparatus
comprises:

first storage means for storing image data
transmitted from the scanner apparatus;

second image correcting means for executing image
25 correction that can be executed by said first image
correcting means, on the image data stored in said
first storage means;

display means for displaying the corrected image data;

instruction input means for inputting setting information for the image correction according to an
5 instruction from an operator;

third image correcting means for executing image correction that can be executed by said first image correcting means, on the image data stored in said first storage means based on the setting information
10 input by said instruction input means; and

second storage means for storing the image data corrected by said third image correcting means, and

wherein if said determining means determines that the image data is not from a first original sheet, said
15 first image correcting means executes image correction on the image data input by said input means, based on the setting information transmitted from the information processing apparatus.

43. A computer-readable storage medium storing a
20 program code for implementing a method of controlling an information processing apparatus connected to an image input apparatus which is capable of executing predetermined image processing on input image data and outputting the processed image data, the program code
25 comprising:

a storing module for storing image data output from the image input apparatus, in a storage section;

an instruction input module for inputting setting information for image processing according to an instruction from an operator; and

an image processing for executing image processing
5 that can be executed by the image input apparatus, on the image data stored in said storage means based on the setting information input by said instruction input module.

44. A computer-readable storage medium storing a
10 program code for implementing a method of controlling an image input apparatus connected to an information processing apparatus which is capable of executing predetermined image processing on input image data and storing the processed image data, the program code
15 comprising:

an input module for inputting image data; and

an image processing module for executing image processing that can be executed by the image processing apparatus, on the image data input by said input module,
20 and

wherein said image processing module executes image processing on the image data input by said input module, depending on contents of image processing executed by the image processing apparatus.